



**Embedded Linux
Conference**
North America

Yocto Project & Open Emedded BoF

@yoctoproject

yocto .
PROJECT



**Armin Kuster &
Nicolas Dechesne**



Content

- Project updates
- Live Coding with Yocto Project
- Yocto Project Summit 2019
- QA

Yocto Project in Space

Yocto Project has put Linux in orbit around Mars

yocto
PROJECT



Test image of Overo IronStorm-Y driven Caspa VL running Yocto Project

THE LINUX FOUNDATION

Yocto Project Releases update

- **2.6.1, 2.6.2, 2.6.3**
 - ~600 changes
 - 94 developers
- **2.7 and 2.7.1**
 - ~1900 changes
 - 177 developers
- So far, for **3.0**
 - ~1500 changes
 - 136 developers

What's coming in 3.0 , aka “zeus”

- Autobuilder infrastructure hardware refreshed
- Many recipe updates, including significant removal of old or obsolete software to ensure modern and up-to-date core Linux software stack
- Support for the latest host distributions
- Pre-merge testing on IA and ARM using QEMU/KVM (ptest, LTP, tracking build performance)
- Build change equivalence is detected and used to avoid rebuilding unchanged components

No other cross compiling build system is as complete or functional. Nobody has ever tried optimizations for “from scratch builds” like the Yocto Project does.

New governance agreement and TSC

- The Yocto Project ratified a new Governance agreement and created TSC
- Yocto Project TSC:
 - Richard Purdie (Linux Foundation) - TSC Chair
 - Khem Raj (Comcast) - YP Membership Elected
 - Ross Burton (Intel) - YP Membership Elected
 - Armin Kuster - OE Elected
 - Denys Dmytriienko - OE Elected
- The TSC has overall responsibility for all technical aspects of the Yocto Project
 - git.yoctoproject.org, lists.yoctoproject.org, [bugzilla](https://bugzilla.yoctoproject.org)
 - QA, infra, testing and releases processes
 - Yocto Project Compatible review
 - Yocto Project repo maintainers issues
- <https://wiki.yoctoproject.org/wiki/TSC>

Mailing lists: moving to groups.io

- Moving from self-managed Mailman to Groups.io
 - mailing list services in a simple but modern interface.
 - additional community tools that make it an exceptional service solution.
 - largely used by many open source projects already
- List domain change is required:
 - yocto@yoctoproject.org ⇒ yocto@lists.yoctoproject.org
 - aliases will be created for old names
- User account will be created for all users
- Tentative plan is the weekend of September 1st (US Holiday)
- <https://wiki.yoctoproject.org/wiki/GroupsMigration>

Live Coding with Yocto Project

- Monthly live tutorial on Twitch, run and managed by Josef Holzmayer, in collaboration with Yocto Project Advocacy and Community
- https://www.twitch.tv/yocto_project/
- All videos available on our Youtube channel as well:
<https://www.youtube.com/user/TheYoctoProject>

Yocto Project Summit 2019

- First ever Yocto Project Summit 2019
- Co-located with Embedded Linux Conference Europe, Lyon, France
- Oct 31st and Nov 1st 2019
- Evening reception with drinks and appetizers.
- CFP is open until Sept 16th
- [https://wiki.yoctoproject.org/wiki/index.php?title=Yocto Project Summit 2019](https://wiki.yoctoproject.org/wiki/index.php?title=Yocto_Project_Summit_2019)



QA



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